CROP SCIENCES: CROP AGRIBUSINESS, BS

for the degree of Bachelor of Science Major in Crop Sciences, Crop Agribusiness Concentration

department website: https://cropsciences.illinois.edu/
department faculty: https://cropsciences.illinois.edu/people/faculty/
overview of college admissions & requirements: Agricultural, Consumer & Environmental Sciences (http://catalog.illinois.edu/schools/aces/academic-units/#text)
college website: https://aces.illinois.edu/

The concentration in crop agribusiness is designed for students wanting to combine agronomic production and business management. This concentration prepares students for careers in production and marketing, cropping systems management, and a broad range of multi-functional agricultural enterprises, or for entrance into graduate school.

Prescribed Courses including Campus General Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>RHET 105</td>
<td>Writing and Research</td>
<td>4</td>
</tr>
<tr>
<td>CMN 101</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Select from campus approved list.</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

Advanced Composition

Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.

Foreign Language

Coursework at or above the third level is required for graduation.

Quantitative Reasoning I

Select one of the following: 4-5

- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 234 Calculus for Business I

Quantitative Reasoning II

CPSC 241 Intro to Applied Statistics 3

Natural Sciences and Technology

See Specific Concentration Requirements

Humanities and the Arts

Select from campus approved list 6

Social and Behavioral Sciences

ACE 100 Introduction to Applied Microeconomics 3-4

or ECON 102 Microeconomic Principles

Select from campus approved list. 3-4

ACES required

ACES 101 Contemporary Issues in ACES 2

Required Concentration 58-79

Concentration prescribed courses. See specific concentration requirements.

Total Hours 126

1 ACE 100 or ECON 102 are not required for the Biological Sciences Concentration.

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>CHEM 102</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 103</td>
<td>and General Chemistry Lab I</td>
<td></td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHEM 105</td>
<td>and General Chemistry Lab II</td>
<td></td>
</tr>
<tr>
<td>IB 103</td>
<td>Introduction to Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following: 4-5</td>
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<td></td>
</tr>
<tr>
<td>MCB 100</td>
<td>Introductory Microbiology</td>
<td></td>
</tr>
<tr>
<td>&amp; MCB 101</td>
<td>and Intro Microbiology Laboratory</td>
<td></td>
</tr>
<tr>
<td>IB 104</td>
<td>Animal Biology</td>
<td></td>
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</tbody>
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Crop Agribusiness Concentration Required

ACCY 200 Fundamentals of Accounting 3

or ACCY 201 Accounting and Accountancy I

ACE 345 Finan Decision Indiv Sm Bus 3

CPSC 112 Introduction to Crop Sciences 4

CPSC 226 3

CPSC 270 Applied Entomology 3

CPSC 498 Crop Sci Professional Development 1

NRES 201 Introductory Soils 4

PLPA 204 3

Select one of the following: 3-4

ANSC 100 Intro to Animal Sciences

FSHN 101 The Science of Food and How it Relates to You

HORT 100 Introduction to Horticulture

NRES 102 Introduction to NRES

TSM 100 Technical Systems in Agr

Select 12 hours from the following: 12

CPSC 352 Plant Genetics

CPSC 412 Principles of Crop Production

CPSC 414 Forage Crops & Pasture Ecology

CPSC 415 Bioenergy Crops

CPSC 418 Crop Growth and Management

CPSC 426 Weed Mgt in Agronomic Crops

CPSC 431 Plants and Global Change

CPSC 437 Principles of Agroecology

CPSC 453 Principles of Plant Breeding

CPSC 473 Mgmt of Field Crop Insects

HORT 341 Greenhouse Mgmt and Production

HORT 360 Vegetable Crop Production

HORT 361 Small Fruit Production

HORT 362 Tree Fruit Production

HORT 466

PLPA 405 Plant Disease Diagnosis & Mgmt

PLPA 407

Information listed in this catalog is current as of 05/2021
<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ACE 448</td>
<td>Rural Real Estate Appraisal</td>
</tr>
<tr>
<td>NRES 474</td>
<td>Soil and Water Conservation</td>
</tr>
<tr>
<td>NRES 488</td>
<td>Soil Fertility and Fertilizers</td>
</tr>
</tbody>
</table>

Select one course from each of the following groups: 6-7

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<tr>
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</thead>
<tbody>
<tr>
<td>ACE 222</td>
<td>Agricultural Marketing</td>
</tr>
<tr>
<td>or ACE 428</td>
<td>Commodity Futures and Options</td>
</tr>
<tr>
<td>ACE 231</td>
<td>Food and Agribusiness Mgt</td>
</tr>
<tr>
<td>or ACE 232</td>
<td>Farm Management</td>
</tr>
</tbody>
</table>

Total ACES prescribed and elective courses must total 35 hours, of which 20 must be completed in residence.